

What is claimed:

1. A power supply comprising:
a transformer/rectifier unit for converting AC voltage to DC voltage;
5 an end effector, electrically connected to the transformer unit for receiving DC voltage, for being received in a battery receptacle of a battery-powered item, to supply electrical power thereto.
2. The power supply of claim 1 wherein the end effector is an electrical plug
10 in general configuration of a standard removable battery, so as to be received in the battery receptacle.
3. The power supply of claim 2 wherein the end effector includes positive and negative electrical terminals for engaging the electrical contacts within the receptacle.
15
4. The power supply of claim 2 wherein a respective number of end effectors are received in the receptacle to substitute for a respective number of batteries.
5. The power supply of claim 2 wherein at least one end effector is received
20 in the receptacle for providing suitable voltage and a remainder of dummy batteries are received in the receptacle to substitute for a respective number of batteries.

6. The power supply of claim 5 wherein at least one dummy battery is in the shape of an end effector, and is a conductor to establish a circuit, without providing additional voltage.

5 7. The power supply of claim 1 wherein the end effector is sized so as to fit into the space of multiple batteries.

8. The power supply of claim 1 wherein the transformer unit includes an electrical plug for connecting to basic 110V AC electrical service.

10

9. The power supply of claim 1 wherein the transformer unit includes at least one output for receiving at least one respective electrical connector cables, which are in turn connected to a respective number of end effectors.

15 10. The power supply of claim 9 wherein the at least one output comprises a plurality of outputs, and wherein at least a portion of the outputs are connected to at least one common power bus for supplying a predetermined voltage.

20 11. The power supply of claim 9 wherein the at least one output comprises a standardized voltage output receptacle, and wherein the at least one cable comprises a respective mating connector for connecting to the receptacle for easy connection and disconnection.

12. The power supply of claim 11 wherein the voltage output receptacle comprises an in-line fuse to open the circuit in the case of a short circuit event.